W 72 × H 72 mm
LCD Week / Year
Digital Timers

LE7M-2 Series

Features

- Various external input functions

- Clear display with built-in backlight

- Easy to check and change the program setting

- Customizable weekly or yearly unit time setting and control by user

- Includes daylight saving time function

- Built-in 2 independent control output (relay)

- Flush mount or Surface / DIN rail mount available (depending on the model)

Specifications

Model	LE7M-2B	LE7M-2D
Number of steps for the program	64 steps for weekly, 32 steps for yearly	
Operation mode	Weekly: ON/OFF, pulse, cycle operation Yearly: ON/OFF, pulse operation	
Temperature error	≤ (±0.01%±0.05 sec), at a ratio by the setting time	
Cyclic error	±15 sec/month (25 °C, ±4 sec/1 week)	
Memory retention	≥ 5 years (25 °C)	
External input	Open or short circuit by a contact device (switch or relay)	
Mounting type	Flush mount	Surface or DIN rail mount
Approval	CE c𝐔𝐋us	CE c𝐔𝐋us
Unit weight (packaged)	≈ 207 g (≈ 337 g)	≈ 208 g (≈ 361 g)
Power supply	100 - 240 VAC∼ ±10%, 50/60 Hz	
Power consumption	≤ 4.2 VA	
Control output	Relay	
Contact type	SPDT (1c)	
Contact capacity	Resistive load: 250 VAC∼ 15 A	
Number of circuits	Independent 2 circuits (1c × 2)	
Mechanical life expectancy	≥ 10,000,000 operations (switching capacity: 30 times/min)	
Electrical life expectancy	≥ 50,000 operations (switching capacity: 20 times/min, resistive load: 250 VAC∼ 15 A)	
Insulation resistive	≥ 100 MΩ (500 VDC⎓ megger)	
Noise immunity	± 2 kV square-wave noise by noise simulator (pulse width 1 µs)	
Dielectric strength	Between primary terminal and case : 3,000 VAC∼ at 50/60 Hz for 1 min	
Vibration	0.75 mm double amplitude at frequency of 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 2 hours	
Vibration (malfunction)	0.5 mm double amplitude at frequency of 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 10 min	
Shock	300 m/s^2 (≈ 30 G) in each X, Y, Z direction for 3 times	
Shock (malfunction)	100 m/s^2 (≈ 10 G) in each X, Y, Z direction for 3 times	
Ambient temperature	-10 to 55 °C, storage: -25 to 65 °C (no freezing or condensation)	
Ambient humidity	35 to 85%RH, storage: 35 to 85%RH (no freezing or condensation)	